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PA - (MITO ) MITSUBISHI HEAVY IND CO LTD

PN - JP54110221 A 19790829 DW197941 000pp

PR - JP19780016921 19780216

XIC - C04B-041/22

AB - J54110221 A carbon material is sealed in pulverous Ti or Cr, and the Ti or Cr is diffused and permeated into the carbon material by heating at a high temp. in a reducing atmos. prepd. from a mixt. of gaseous halogen and H<sub>2</sub>, to form a layer of carbide such as TiC or Cr<sub>23</sub>C<sub>6</sub> on the surface of the carbon material to give a wear resistant carbon material having both heat resistance and corrosion resistance. The wear resistance of the carbon material is improved by forming a surface layer of wear resistant carbide.

- The material is suitable for pumps, valves or blowers, etc.

AW - CARBON@

AKW - CARBON@

IW - WEAR RESISTANCE CARBONACEOUS MATERIAL TITANIUM CHROMIUM DIFFUSION

PERMEATE CARBONACEOUS MATERIAL HEAT FORMING WEAR RESISTANCE LAYER

IKW - WEAR RESISTANCE CARBONACEOUS MATERIAL TITANIUM CHROMIUM DIFFUSION

PERMEATE CARBONACEOUS MATERIAL HEAT FORMING WEAR RESISTANCE LAYER

NC - 001

OPD - 1978-02-16

ORD - 1979-08-29

PAW - (MITO ) MITSUBISHI HEAVY IND CO LTD

TI - Wear resistant carbonaceous material - where titanium or chromium are diffused and permeated into carbonaceous material and heated, forming wear resistant layer